# Open Rasta / Solr Lucene

Create a project using Open Rasta & Solr Lucene as a prelude for my adventures at 7Digital. If there is a chance to incorporate messaging and service buses then go ahead with that too.

## Features to Consider

1. Multiple resource representations
   1. Json
   2. Xml
   3. Html
2. Use RavenDb and query it with lucene
3. Have a reporting section that can layer on some really complex lucene features
4. Support full CRUD to really road test Open Rasta
5. Http features
   1. Etags
   2. Use header values and url to determin content type
   3. Language settings

## Options

1. Do a StackOverflow clone – use their API
2. Do a 7Digital clone – use their API – would be clever wouldn’t it?

## Plan

**Phase 1 –** Open Rasta Human Web

1. Create a simple read-only system that gets records from 7Digital and displays them as html
2. Now layer on the full features of CRUD

**Phase 2 –** Open Rasta REST Client basics

1. Multiple multiple content types – read scenarios
2. Allow creates, updates and deletes using full set of HTTP verbs
3. Use features that enable Hyperlinking – particularly between resources

**Phase 3 –** Enter Lucene

1. Allow filtering on entities – facilitated in the back end by Lucen
2. Maybe add a reporting feature to expand on the usage of Solr Lucene?

### Phase 1

1. Create an endpoint that displays dummy data – test that is can be accessed in a browser
   1. Store the entities in RavenDb
2. Grab some data from the api and push that into RavenDb – check it all still works